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INC.

Decontamination Systems for the Health Care Industry

INSTALLATION & REPLACEMENT PROCEDURE FOR WATER INLET FILTER ASSEMBLY USING BLEACH

Note: During this procedure, the term "processing chamber" refers to all available processing chambers. A System 83 P1us™ 2 has one chamber while an 83 Plus™ 9 has two, etc. Also, "water supply" refers to all available water supplies, both hot and cold, which are hooked up to this machine, and fed through a 5 micron pre-filter and a 0.1 micron bacterial filter system.

Important: Position one endoscope adapter in each of the manifold's eight (8) female bulkheads and direct them into the processing chamber. (Failure to attach at least three adapters will result in purge pump failure.)

This procedure must be performed:

A. At initial set-up, and/or

B. When a pressure differential of 20 to 25 psi exists between the inlet and outlet sides of the 0.1 micron filter. (Measured during processing chamber fill cycle.) Verify that static water pressure is maintained between 35 and 50 psi.

C. For added assurance, you should replace the 5µ sediment filter at three month intervals and replace the 0.1 µ filters and perform this procedure at six month intervals during routine preventative maintenance of the System.

Part I

1. Turn water supply valves "OFF".
2. Relieve water pressure in filter housing and system by engaging the rinse switch and activating the spray hose into the processing chamber.
3. Open filter housing bowl/covers (5 micron pre-filter and 0.1 micron bacterial filter), remove and dispose of cartridges. Empty contents. (Filters are not re-useable)
4. Fill 5 micron pre-filter housing bowl 1/2 full of water, add one (1) cup of household bleach, and reattach to assembly.
5. Reattach 0.1 micron housing bowl to assembly. Leave this bowl EMPTY.
6. Turn water supply valves and *MAIN POWER* switch "ON", and initiate *WASH* cycle simultaneously on each processing chamber by pressing <F6> (wash) on the computer keyboard.
7. While processing chamber is filling, engage *RINSE* switch and activate *SPRAY HOSE,* directing the flow into the processing chamber.
8. When ultrasonics engage use a tongue depressor to raise the *SAFETY FLOAT (high* liquid level indicator, located in processing chamber behind removable shield) to shut down the system.
9. Press <Fl> (clear) to clear the error and reset the system.
10. Engage *RINSE* switch and activate *SPRAY HOSE. Fill* processing chamber to within 1/4" from the top.

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----------**STOP!!!**----------

11. Allow system to soak (30 minutes min. - 60 minutes max.).

12. Initiate *EMPTY PROGRAM.* by pressing <F4> (Special Screen) then <F5> (empty) on the computer keyboard.

13. When processing chamber is completely empty, press <F1> {Stop Maintenance) then <F3> {Standard Screen).

Part II

14. Turn water supply valves "OFF". Relieve pressure (as in step 2). Open filter housing bowls and empty contents.

15. Install *NEW* filter cartridges according to the following steps:
If desired, the 0.1 micron filter may be autoclaved prior to initial use.
    a. Carefully remove approximately 3 inches of plastic from the 0-ring end of the cartridge. DO NOT cut filter (damage to cartridge could result in filter system failure). DO NOT remove plastic from entire cartridge (plastic will serve as protective barrier during installation).

    b. Forcefully push new cartridge up into the head of the housing. Use a twisting motion until the filter cartridge is firmly in place. This ensures proper seating of the filter 0-rings.

    c. Remove remaining plastic from filter cartridge, and replace housing bowl/covers. Note: Before replacing 5 micron pre-filter bowl, fill it to half full with water and 1 1/2 ounces of household bleach.
    Before replacing 0.1 micron filter bowl, fill to half full with water. **DO NOT ADD BLEACH** to the 0.1 micron bacterial filter bowl at this time (doing so could result in irreparable damage to the filter).

16. Initiate *WASH* cycle by pressing <F6> (wash) on the computer keyboard Then slowly turn water supply valves "ON".

17. When the domed stainless steel mesh basket in the processing chamber is covered with water, use a tongue depressor to raise the *SAFETY FLOAT* (high liquid level indicator, located in processing chamber behind removable shield) to shut down the system. Press <F1> (clear) to clear the error and reset the system.

----------**STOP!!!**----------

18. Allow System to soak 30 minutes (60 max.).

19. Initiate *WASH* cycle. (<F6> (wash)).

20. Repeat the *WASH* cycle (<F6> (wash)) 3 times to remove residual bleach from the System.

21. To clear any residual bleach from the spray rinse assembly, activate and direct spray rinse into processing chamber during the complete drain phase of the second wash cycle.

NOTE: Part II may also be performed without removing the 0.1 micron filter. Begin with step #14 but disregard any reference or action to the 0.1 micron filter or its housing.